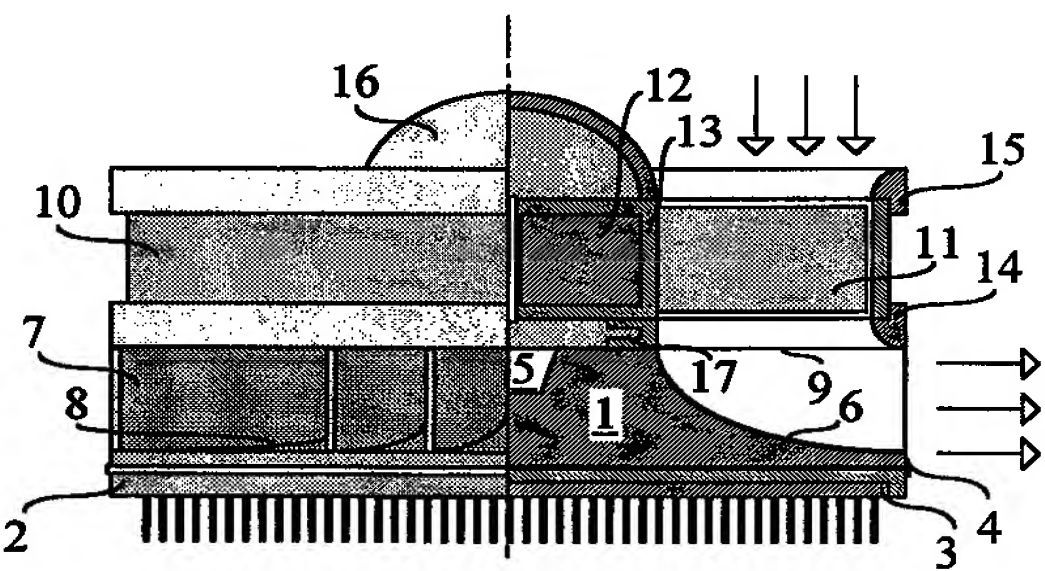




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H05K 7/20	A3	(11) International Publication Number: WO 99/07196 (43) International Publication Date: 11 February 1999 (11.02.99)
(21) International Application Number: PCT/IT98/00211 (22) International Filing Date: 27 July 1998 (27.07.98) (30) Priority Data: MI97A001842 31 July 1997 (31.07.97) IT (71)(72) Applicant and Inventor: CHECCHETTI, Maurizio [IT/IT]; P.zza Sicilia, 1, I-20146 Milano (IT). (74) Agents: ADORNO, Silvano; Società Italiana Brevetti S.p.A., Via Carducci, 8, I-20123 Milano (IT) et al.		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 8 April 1999 (08.04.99)
(54) Title: HEAT SINK 		
(57) Abstract A heat sink comprising a conductive plate (1) to be applied onto the surface to be cooled, the thickness of which gradually increases from the edges (4) towards a central portion (5) according to a curvilinear profile (6) having an upwardly turned concavity, so that an air flow hitting the plate is deflected towards its edges with a substantially horizontal outlet direction. The conductive plate (1) has preferably arranged thereon a plurality of cooling fins (7) extending in a substantially radial way from the central portion (5) to the edges (4) of the plate.		

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INTERNATIONAL SEARCH REPORT

Internat'l Application No.
PCT/IT 98/00211

A. CLASSIFICATION OF SUBJECT MATTER

H 05 K 7/20

According to International Patent Classification (IPC) or to both national classification and IPC⁶

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H 05 K 7/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0614330 A1 (PFU LIMITED) 07 September 1994 (07.09.94), fig. 31A, 31C, 48, 51, 70B, 75B, claims.	1, 2, 5, 11-14, 18
Y		6, 9
A		3, 4, 7, 8.
X	US 5650912 A (KATSUI et al.) 22 July 1997 (22.07.97), fig. 4A, 9B, 19, 29, column 8, lines 5-13, column 10, lines 7-22.	1, 5, 11-14
A		6, 16
Y	US 5452181 A (HOOVER, J.W.) 19 September	6, 9

☒ Further documents are listed in the continuation of box C.

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Date of the actual completion of the international search
30 November 1998

Date of mailing of the international search report

03. 02. 99

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INTERNATIONAL SEARCH REPORT

-2-

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>1995 (19.09.95), fig. 1-3,5,8.</p> <p>-----</p>	<p>1,5,7, 8,11- 14</p>

ANHANG

ANNEX

ANNEXE

zum internationalen Recherchen-
bericht über die internationale
Patentanmeldung Nr.

to the International Search
Report to the International Patent
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au rapport de recherche inter-
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PCT/IT 98/00211 SAE 203074

In diesem Anhang sind die Mitglieder
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Im Recherchenbericht angeführtes Patentdokument Patent document cited in search report Document de brevet cité dans le rapport de recherche		Datum der Veröffentlichung Publication date Date de publication	Mitglied(er) der Patentfamilie Patent family member(s) Membre(s) de la famille de brevets	Datum der Veröffentlichung Publication date Date de publication
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